Name :- Avinash Bhurke Dir . - KS-A

ROII NO: - 71

PRN: 12310015 Assignment-5



SQL user Querier that retrieve, Filter, and manipulate data using a variety of operators, Functions Conditional filtering and logical operators, pattern matching 'like' and 'Not like , range there Using 'Between... And', and handling of null values, In addition 1 it delver into grouping and ordaing data applying aggregate Functions, and refining results with the Having! Clause. The use or Sel opprators to Combine results sot, along Line, and Strings is also disrussed making Sal a versatile language for periciant danks management.

(onditional and logical operators (whose clause).

Filters rows based on multiple Conditions using AND, OR operators Syntax: Select (olumn nome (1)

From table-name

Where Conditions AND Conditions OR Conditions;

2) LIKE INOT LIKE:

Filters rows where a Column's value matches or

dopon't match a Specific pattern

Statux: SPIPA Columna name

From toblename

Where Column name Like pattern's

11 02

Inhere Column\_name MOTLIKE Partern ;

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3) IN NOT IN: Filters rows Where a Column's value is in or Not in a Specified list. Syntax :- ET SPIRA roug. Spiere Columninane From table-nome lahere Column rame IN(valuez, valuez, ...); OF For NOT IN SPIACH Columnaname From table-name Where Column nome NOT IN (values, values, ...); BPHWPPN ...AND Fiters rows lathere a Column's value falls within a Sperified range Syntax: SPIPH Column nome From table name Inhere Column\_name BALHEON Value AND value 5) IS NULL / IS NOT NULL Filters rows Where Column has ordopsn's hore nous Value Statax: 15 Mull: IS MOT MULL Splect Column. nome Splent Column. nome from table name From table name Where Column\_name Is NULL: Where Column\_ name IS NOT MILLE :

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6) ORDER By: SORE the result son by specified Columns in ascending or descending order. Syntax: Sprient Column-nome From table name ORDER By Column\_name ASCIDERC; Group rows sharing a property and allows aggregate Function to be applied Syntax: Spiper Column name, Count(\*) From table. Name Group by Column name; 8) Aggregate functions (SUM, COUNT, AVG, MIN, MAX): performs calculations on a SA OF rows and returns a Single value. : xx+n+2 SPIPIT SUM (roumn\_nomp), Count (rolumn\_rome), Avan (rolumn\_nomp), MINI (Column pame), Max (Column rome) from table name; a) Having Clause (with Group By): groups bosped on aggregate function result, Filtprs to where but for groups. Similar Syntax: Spiers Column name, Court (\*) From table name Group By Column\_name Having (OUNT (\*) > value;

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SP+ opposators (Union, Intasent (Expopt): (0) Combines tesult sets from Multiple queiles, teturning union, Intersection, or differences. Syntax: From table I SPIPH Column\_name union Stoppe Column name From Hablez; . Spipet Column name From tables INTERSECT worker From tablez; Select Column- nome Splert Column\_rame from tablet EXLEDL Column nome from tables; SPIPC+ 11) Single - row functions (Date, Time, String): Date / Time Functions: Returns and manipulates data and time values 0 Syntax: Spipet Current Date, Current Time, NOW(), Date\_ADD ( Mate\_ Folumn, INTERVAL 10 Day); String Forthons: Performs operations like ale Convenien Substring Patraction on Strings. and SINTOX. SPIPH UPPER (rolumn\_name), LOWER (roulumn\_name) LENGTH (rolumn\_name) substring (rolumn-name)1,5)